



SEQUENCE LISTING

<110> Jove, Richard  
Hamilton, Andrew  
Gilbert, Richard  
Dalton, William  
Sebti, Said  
Yu, Hua  
Heller, Richard  
Jaroszeski, Mark

<120> INHIBITION OF STAT3 SIGNAL TRANSDUCTION FOR HUMAN CANCER THERAPY

<130> 10873-008-999

B1 <140> 09/492,764

<141> 2000-01-27

<150> 60/117,600

<151> 1999-01-27

<160> 38

<170> PatentIn version 3.0

<210> 1

<211> 24

<212> DNA

<213> Homo sapiens

<400> 1  
agcttcattt cccgtaaadc ccta

<210> 2  
<211> 24  
<212> DNA  
<213> Homo sapiens

<400> 2  
agcttcattt cccgtaaata ccta 24

<210> 3  
<211> 22  
<212> DNA  
<213> Homo sapiens

<400> 3  
gtcccccggc cggggaggcg ct 22

B1

<210> 4  
<211> 25  
<212> DNA  
<213> Homo sapiens

<400> 4  
cgacgacttc tcccgcgct accgc 25

<210> 5  
<211> 25  
<212> DNA  
<213> Homo sapiens

<400> 5  
ccgcatgctg gggccgtaca gttcc 25

<210> 6  
<211> 20  
<212> DNA

<213> Homo sapiens

<400> 6  
cgggcattca gtgacctgac 20

<210> 7

<211> 20

<212> DNA

<213> Homo sapiens

<400> 7  
tcaggaacca gcggttgaag 20

<210> 8

<211> 20

<212> DNA

<213> Homo sapiens

<400> 8  
ccactgaact tctgattcgc 20

<210> 9

<211> 20

<212> DNA

<213> Homo sapiens

<400> 9  
gcgtgctagc tggatgtcct 20

<210> 10

<211> 9

<212> DNA

<213> Homo sapiens

<400> 10  
ttcggagaa 9

B1

<210> 11  
<211> 9  
<212> DNA  
<213> Homo sapiens

<400> 11  
tgaggataa

9

<210> 12  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>

<221> misc\_feature

<223> Xaa = Ser or Pro

<400> 12

His Tyr Xaa Pro Ile Leu Val Tyr Gln Pro Ser Trp  
1 5 10

<210> 13  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 13

Gln Asp Val His Leu Thr Gln Gln Ser Arg Tyr Thr  
1 5 10

<210> 14  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 14

Ser His Pro Trp Asn Ala Gln Arg Glu Leu Ser Val  
1 5 10

<210> 15

<211> 12

<212> PRT

<213> Homo sapiens

<400> 15

Tyr Pro Ala Pro Gln Pro Leu Val Thr Lys Thr Ser  
1 5 10

<210> 16

<211> 12

<212> PRT

<213> Homo sapiens

B1  
<400> 16

Phe Ser Tyr Pro Leu Thr Arg Ala Pro Leu Asn Met  
1 5 10

<210> 17

<211> 7

<212> PRT

<213> Homo sapiens

<400> 17

His Ala Ile Tyr Pro Arg Asn  
1 5

<210> 18

<211> 7

<212> PRT

<213> Homo sapiens

<400> 18

Ala Ser Thr Leu Pro Lys Ala  
1 5

<210> 19  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 19  
Ile Gln Ser Pro His Phe Phe  
1 5

<210> 20  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> X = PHOSPHOTYROSINE

<400> 20  
Pro Xaa Leu Lys Thr Lys  
1 5

<210> 21  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 21  
Pro Tyr Leu Lys Thr Lys  
1 5

<210> 22  
<211> 6  
<212> PRT  
<213> Homo sapiens

B1

<220>

<221> misc\_feature

<223> X= PHOSPHOTYROSINE

<400> 22

Ala Xaa Leu Lys Thr Lys  
1 5

<210> 23

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> X = PHOSPHOTYROSINE

<400> 23

Pro Xaa Ala Lys Thr Lys  
1 5

<210> 24

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> X = PHOSPHOTYROSINE

<400> 24

Pro Xaa Leu Ala Thr Lys  
1 5

<210> 25

<211> 6

B1

<212> PRT  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<223> X = PHOSPHOTYROSINE

<400> 25  
Pro Xaa Leu Lys Ala Lys  
1 5

<210> 26  
<211> 6  
<212> PRT  
<213> Homo sapiens

B1

<400> 26  
Pro Tyr Leu Lys Thr Ala  
1 5

<210> 27  
<211> 4  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> X = PHOSPHOTYROSINE

<400> 27  
Pro Xaa Leu Lys  
1

<210> 28  
<211> 4  
<212> PRT



<213> Homo sapiens

<220>

<221> misc\_feature

<223> X = PHOSPHOTYROSINE

<400> 28

Pro Xaa Phe Lys

1

<210> 29

<211> 3

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> X = PHOSPHOTYROSINE

<400> 29

Xaa Leu Lys

1

<210> 30

<211> 4

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> X = PHOSPHOTYROSINE

<400> 30

Ala Xaa Leu Lys

1

<210> 31  
<211> 3  
<212> PRT  
<213> Homo sapiens

<400> 31  
Tyr Leu Lys  
1

<210> 32  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> X = PHOSPHOTYROSINE

<400> 32  
Pro Xaa Leu Lys Thr Lys  
1 5

<210> 33  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 33  
Pro Phe Leu Lys Thr Lys  
1 5

<210> 34  
<211> 4  
<212> PRT  
<213> Homo sapiens

<220>

<221> misc\_feature

<223> X = PHOSPHOTYROSINE

<400> 34

Pro Xaa Leu Lys  
1

<210> 35

<211> 4

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> X = PHOSPHOTYROSINE

<400> 35

Pro Xaa Leu Ala  
1

<210> 36

<211> 4

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> X = PHOSPHOTYROSINE

<400> 36

Pro Xaa Leu Ala  
1

<210> 37

<211> 3

B1

<212> PRT  
<213> Homo sapiens

<220>

<221> misc\_feature

<223> X = PHOSPHOTYROSINE

<400> 37

Pro Xaa Leu  
1

<210> 38

<211> 3

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> X = PHOSPHOTYROSINE

<400> 38

Ala Xaa Leu  
1

β1